SAFETY DATA SHEET
SUPERIOR NO. 585
DATE REVISED: August 22, 2018

SECTION 1 -- IDENTIFICATION
Product Name/Part number: Superior No. 585
Recommended use: Chemical Cleaner
Manufacturer: Superior Flux & Mfg. Co.
Mfg. Phone No. (440) 349-3000
6615 Parkland Blvd
Cleveland OH, 44139
Emergency Phone No.: 1-800-424-9300 (CHEMTREC)

SECTION 2 – HAZARD(S) IDENTIFICATION
Classification of the substance or mixture
GHS Classification in accordance with OSHA HCS (29 CFR 1910)
Acute toxicity, Oral (Category 4) H302
Acute toxicity, Dermal (Category 4) H312
Serious eye damage (Category 1) H318
See below for full text of H-Statements

GHS Label Elements, including precautionary statements
Pictogram(s):

Signal Word: Danger

Hazard Statement(s)
H302 Harmful if swallowed
H312 Harmful if in contact with skin
H318 Causes serious eye damage

Precautionary statement(s)
P264 Wash skin thoroughly after handling
P270 Do not eat, drink, or smoke when using this product
P280 Wear protective gloves and eye/face protection.
P301+P312+P330 IF SWALLOWED: Call a doctor if you feel unwell. Rinse mouth.
P302+P352+P312 IF ON SKIN: Wash with plenty of soap and water. Call a doctor/physician if you feel unwell.
P305+P351+P338+P310 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER
P363 Wash contaminated clothing before reuse
P501 Dispose of contents to an approved waste disposal plant.

Hazards not otherwise classified or not covered by GHS: None

SECTION 3 – COMPOSITION INFORMATION
Components CAS Number %
Dicarboxylic acid 144-62-7 1-10
SECTION 4 – FIRST AID MEASURES

Description of first aid measures

General advice: Consult a physician. Show this safety data sheet to the doctor in attendance. Move out of dangerous area.

Inhalation: If breathed in, move to fresh air. If not breathing, give artificial respiration. Consult a physician.

Eyes: Rinse thoroughly with plenty of water for at least 15 minutes and immediately call a POISON CENTER.

Skin: Wash off with soap and plenty of water. If rash develops, consult a physician.

Ingestion: Call a POISON CENTER or doctor if you feel unwell. Rinse mouth.

Most Important Symptoms and effects, both acute and delayed

The most important known symptoms and effects are described in section 2 (labeling).

SECTION 5 – FIREFIGHTING MEASURES

Suitable Extinguishing Media: None necessary

Special Hazards: Not applicable

Special protective actions for firefighters: Normal cautions when dealing with chemicals.

SECTION 6 - ACCIDENTAL RELEASE MEASURES

Personal Precautions and Equipment and emergency procedures: Use personal protective equipment. Avoid breathing vapors, mist, or gas.

See section 8 for personal protection.

In Case Material is spilled: Contain spillage with absorbent inert material such as sand, soil, or oil dry, and then place in chemical waste container. Wash spill area with plenty of water.

SECTION 7 - HANDLING AND STORAGE

Precautions for safe handling: Standard lab practices to avoid spills and exposure to skin or eyes.

For full precaution statements see Section 2

Storage Requirements: Store in plastic containers in cool area, away from heat.

SECTION 8 – EXPOSURE CONTROLS / PERSONAL PROTECTION

CONTROL PARAMETERS

OSHA Permissible Exposure Limit (PEL): No data available

ACGIH Threshold Limit Value (TLV): No data available

Engineering Controls: Use local exhaust ventilation to maintain air concentrations of vapors and fumes below occupational exposure standards.

Respiratory Protection: Where risk assessment shows air-purifying respirators are appropriate, use a respirator as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face respirator with replaceable cartridges. Use respirators and components tested an approved under appropriate government standards such as NIOSH (USA) or CEN (EU).

Protective Gloves: Handle with gloves. (Nitrile Rubber recommended) Gloves must be inspected prior to use. Use proper glove removal techniques (without touching glove’s outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in
accordance with applicable laws and good lab practices. Wash and dry hands after handling.

**Eye Protection:** Safety glasses. Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (USA) or EN 166 (EU)

**Body Protection:** Impervious clothing, flame retardant antistatic protective clothing. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace

If used in solution, or mixed with other substances, and under conditions which differ from EN 374, contact the supplier of the CE approved gloves. This recommendation is advisory only and must be evaluated by an industrial hygienist and safety officer familiar with the specific situation of anticipated use by our customers. It should not be construed as offering an approval for any specific use scenario.

### SECTION 9 - PHYSICAL AND CHEMICAL CHARACTERISTICS

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance</td>
<td>Colorless liquid</td>
</tr>
<tr>
<td>Odor</td>
<td>Mild</td>
</tr>
<tr>
<td>Odor threshold</td>
<td>No data available</td>
</tr>
<tr>
<td>pH</td>
<td>No data available</td>
</tr>
<tr>
<td>Melting point/Freezing point</td>
<td>0°C/32°F (approx..)</td>
</tr>
<tr>
<td>Initial boiling point and boiling range</td>
<td>104°C / 220°F</td>
</tr>
<tr>
<td>Flash point</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Evaporation rate</td>
<td>No data available</td>
</tr>
<tr>
<td>Flammability (Solid, gas)</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Upper flammability or explosive limits</td>
<td>Upper explosion limit: N/A</td>
</tr>
<tr>
<td>Lower flammability or explosive limits</td>
<td>Lower explosion limit: N/A</td>
</tr>
<tr>
<td>Vapor pressure</td>
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</tr>
<tr>
<td>Vapor density (Air = 1)</td>
<td>No data available</td>
</tr>
<tr>
<td>Relative density (Water = 1)</td>
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</tr>
<tr>
<td>Solubility (ies)</td>
<td>Miscible in water</td>
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<tr>
<td>Partition coefficient: n-octanol/water</td>
<td>No data available</td>
</tr>
<tr>
<td>Auto-ignition temperature</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Decomposition temperature</td>
<td>No data available</td>
</tr>
<tr>
<td>Viscosity</td>
<td>No data available</td>
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</tbody>
</table>
SECTION 10 - STABILITY AND REACTIVITY

Reactivity: No data available
Stability: Product is stable under recommended storage conditions
Possibility of hazardous reactions: No data available
Conditions to Avoid: No data available
Incompatibility: Strong oxidizers, metals
Hazardous Decomposition Products Carbon oxides (Under fire conditions)
In the event of fire: See Section 5

SECTION 11 - TOXICOLOGICAL INFORMATION

Likely Route(s) of Exposure: Inhalation, ingestion, skin and eye contact
Symptoms (Immediate and Chronic) from
   Acute Exposure No data available
   Prolonged or Repeated Exposure No data available
Measure(s) of toxicity No data available
Is this chemical listed in the National Toxicology Program (NTP) Report on Carcinogens? No data available
Is this chemical found to be a potential carcinogen in the International Agency for Research on Cancer (IARC) Monographs or by the Occupational Safety and Health Administration (OSHA) No data available
Additional information To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated

SECTION 12 - ECOLOGICAL INFORMATION

Persistence and degradability No data available
Bioaccumulative potential No data available
Mobility in soil No data available
Other adverse effects Hazard to ozone layer: No data available

SECTION 13 - DISPOSAL CONSIDERATIONS

Waste treatment methods
Product Contact a licensed professional waste disposal service to dispose of this material.
Contaminated packaging Dispose of as unused product.
SECTION 14- TRANSPORTATION
D.O.T. (USA) Not regulated
IATA Not regulated

SECTION 15 - REGULATORY INFORMATION
SARA 302 Components No Chemicals in this material are subject to the reporting requirement of SARA Title III, Section 302.
SARA 312/313 Components No Chemicals in this material are subject to the reporting requirement of SARA Title III, Section 312/313.

California Prop. 65 Components
This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

SECTION 16 - OTHER INFORMATION
Further information:
Judgments as to the suitability of information herein or the purchaser's purposes are necessarily the purchaser's responsibility. The above information does not represent any guarantee of the properties of the product. It is believed to be correct, but does not purport to be all inclusive and should be used only as a guide. Reasonable care has been taken in the preparation of this material, and is based on the present state of our knowledge.

Superior Flux & Mfg. Co. shall not be held liable for any damage resulting from handling or from contact with the above product.

Preparation information
Superior Flux & Mfg. Co.
440-349-3000